

Attorney Docket No.: 2000-046CON2
PATENT

CERTIFICATE OF MAILING



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By: Suzanne Shadley
Suzanne Shadley

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Willson, R.	
Serial No.:	10/029,891	Group Art 1743
Filed:	12/21/01	Unit:
For:	Process For Testing Catalysts Using Thermography	Examiner: Unknown

Assistant Commissioner of Patents
Washington D.C. 20251

2nd PRELIMINARY AMENDMENT B

Sir:

Please enter this 2nd Preliminary Amendment B prior to consideration of the above-referenced application:

IN THE SPECIFICATION

After the claims, please add the Abstract, attached as a separate sheet in Appendix A hereof.

REMARKS


The Abstract has been added in response to the Notice of Missing Parts dated February 21, 2002. Support for the Abstract can be found throughout the specification, and in the Abstract of the parent application, Ser. No. 09/499,956, now issued as U.S. Patent No. 6,333,196. No new matter has been added. A summary of the changes to the specification is shown in Appendix B hereof.

Applicants believe that no fees are required in connection with the
aforementioned amendment to the specification. If necessary, however, the Examiner is
authorized to charge any required fees, or to credit any overpayment of fees, to Deposit
Account No. 50-0496.

Date:

Apr. 17, 2002

Respectfully submitted,


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APPENDIX A

ABSTRACT

Apparatus for testing catalyst candidates including a multi-cell holder e.g. a honeycomb or plate, or a collection of individual support particles that have been treated with solutions/suspensions of catalyst ingredients to produce cells, spots or pellets holding each of a variety of combinations of the ingredients and dried, calcined or treated as necessary to stabilize the ingredients in the cells, spots or pellets. The apparatus also includes structure for contacting the catalyst candidates with a potentially reactive feed stream or batch e.g., biochemical, gas oil, hydrogen plus oxygen, propylene plus oxygen, CCl_2F_2 and hydrogen, etc. The reaction occurring in each cell can be measured, e.g. by infrared thermography, spectroscopic detection of products or residual reactants, or by sampling, e.g. by multistreaming through low volume tubing, from the vicinity of each combination, followed by analysis e.g. spectral analysis, chromatography etc., or by observing temperature change in the vicinity of the catalyst e.g. by thermographic techniques, to determine the relative efficacy of the catalysts in each combination. Robotic techniques can be employed in producing the cells, spots, pellets, etc.

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APPENDIX B

**MARKED UP VERSION INDICATING AMENDMENTS TO THE SPECIFICATION
AND CLAIMS, AND INDICATING NEW OR CANCELLED CLAIMS**

IN THE SPECIFICATION

*** The Abstract has been added as a separate sheet after the claims.